

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Trung V. Le; Thomas
Kelly

Serial No.: 10/788,600

Filed: February 24, 2004

Examiner: Daniel Hess

Group Art Unit: 2876

Docket No.: 10428US01

Title: CREDIT CARD SIZE MEMORY CARD WITH HOST CONNECTOR

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CERTIFICATE UNDER 37 CFR 1.8 I hereby certify that this correspondence is being transmitted
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By: 

Name: Eric D. Levinson

INTERVIEW SUMMARY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants thank the Examiner for conducting the telephonic Examiner Interviews of July 9, 2004. During the Examiner Interviews, Applicants' representative, Kelly Patrick Fitzgerald (Reg. No. 46,326), and Examiner Daniel Hess generally discussed claims 1-20, and specifically discussed the independent claims 1, 11 and 19. Applicants' representative and the Examiner also generally discussed the prior art and specifically discussed Liu et al. (U.S. Patent 6,567,273), and Pua et al. (U.S. Patent Publication 2002/0147882). Applicants' representative and the Examiner agreed that claim 1, as originally filed, was allowable over the prior art of record.

In conjunction with the Examiner Interviews of July 9, 2004, Applicants' representative sent Examiner Hess two proposed claim sets via facsimile, which included proposed amendments to the claims addressing various concerns of Examiner Hess. A copy of the proposed amendments and the facsimile cover sheets sent to Examiner Hess is enclosed

Application Number 10/788,600
Interview Summary dated July 16, 2004

herewith. Applicants have labeled the first facsimile and the first proposed claim set as Attachment 1, and have labeled the second facsimile and the second proposed claim set as Attachment 2.

One July 9, 2004, Examiner Hess and Applicants' representative reached a verbal agreement regarding the allowability of the proposed claims as set forth in the second proposed claim set in Attachment 2, submitted herewith. Applicants' representative authorized an Examiner's amendment consistent with the proposed claims in Attachment 2 to place the application into condition for allowance.

Date:

7/19/04

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JUL 19 2004

PATENT
Docket No. 10428US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TRUNG V. LE and THOMAS KELLY

Examiner: Daniel Hess

Serial No.: 10/788,600

Filed: February 24, 2004

Group Art Unit: 2876

For: CREDIT CARD SIZE MEMORY
CARD WITH HOST CONNECTOR**CERTIFICATE OF TELEFACSIMILE TRANSMISSION**Commissioner for Patents
Alexandria, VA 22313-1450Examiner Daniel Hess
Fax No.: (703) 872-9318

Dear Sir:

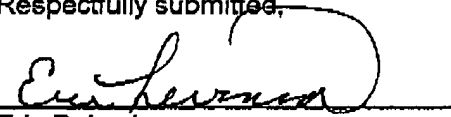
I certify that the following pages are being telefacsimile transmitted to the U.S. Patent and Trademark Office on the date shown below:

1. Interview Summary with Attachments 1 and 2 of Draft Claims, along with Certificate of Facsimile (14 pages)

Respectfully submitted,

Date

7/19/04


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ATTACHMENT 1

Facsimile cover sheet and first proposed claim amendments

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FACSIMILE TRANSMITTAL SHEET

TO:
Daniel Hess

FROM:
Kelly Patrick Fitzgerald
(651-735-1100 ext. 13)

COMPANY:
U.S. Patent Office

DATE:
JULY 9, 2004

FAX NUMBER:
571-273-2392

TOTAL NO. OF PAGES INCLUDING COVER:
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PHONE NUMBER:

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RE:
Proposed claims 10/788,600

YOUR REFERENCE NUMBER:

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY

NOTES/COMMENTS:

Pursuant to our discussions, attached for are proposed amendments to 10/788,600. Please do not enter these amendments at this time, but call me to discuss this proposal. If we reach an agreement, I may authorize an Examiner's amendment to enter this proposal.

DRAFT - FOR DISCUSSION PURPOSES ONLY

1. A memory card comprising:
 - a flexible housing;
 - a memory in the housing;
 - a smart card contact disposed on the housing, the smart card contact conforming to a smart card standard and allowing access to the memory by a reader compatible with the smart card standard; and
 - a host connector protruding from the housing, the host connector conforming to a host connection standard and allowing access to the memory upon insertion of the host connector into a host computer interface compatible with the host connection standard.
2. The memory card of claim 1, wherein the memory is included within an integrated circuit (IC) module wherein the housing is formed at least partially around the IC module.
3. The memory card of claim 1, wherein the smart card standard comprises an ISO 7816 Smart Card standard.
4. The memory card of claim 1, wherein the housing defines a corner edge from which the host connector protrudes.
5. The memory card of claim 1, wherein the host connector is molded as a part of the housing such that the housing defines a shape that conforms to the host connection standard.
6. The memory card of claim 1, further comprising a cover over the host connector, wherein the housing and the cover collectively substantially conform the memory card to a form factor of the smart card standard.
7. The memory card of claim 1, further comprising a magnetic stripe disposed on the housing compatible with a magnetic stripe reader.

DRAFT - FOR DISCUSSION PURPOSES ONLY

8. The memory card of claim 1, wherein the flexible housing comprises at least two layers of plastic and a cavity formed between the layers of plastic to hold the memory.

9. The memory card of claim 1, wherein the memory includes a first region for secured memory access and a second region for non-secured memory access.

10. The memory card of claim 1, wherein the host connector conforms to one of a Universal Serial Bus (USB) standard and a Universal Serial Bus 2 (USB2) standard and comprises a USB compatible tab without an electrical shield.

11. (Currently amended) A memory card comprising:

a flexible housing having dimensions which substantially conform to a form factor of a memory card standard including a height between approximately 52 mm and 56 mm, a width between approximately 83.6 mm and 87.6 mm, and a thickness between approximately 1.3 mm and 2.3 mm;

a memory in the housing, wherein the memory card conforms to a smart card standard and the memory can be accessed by a reader that conforms to the smart card standard; and

a host connector protruding from the housing, the host connector conforming to a host connection standard and allowing access to the memory upon insertion of the host connector into a computer interface compatible with the host connection standard.

12. The memory card of claim 11, wherein the housing defines a corner edge from which the host connector protrudes, the corner edge defined within the dimensions of the memory card standard form factor.

13. The memory card of claim 11, wherein the host connector is molded as a part of the housing such that the housing defines a shape that conforms to the host connection standard, the host connector defined within the dimensions of the memory card standard form factor.

DRAFT - FOR DISCUSSION PURPOSES ONLY

14. The memory card of claim 11, wherein the housing includes a cover that fits over the host connector to substantially conform the memory card to the form factor of the memory card standard.

15. The memory card of claim 11, wherein the host connector conforms to one of a Universal Serial Bus (USB) standard and a Universal Serial Bus 2 (USB2) standard and comprises a USB compatible tab without an electrical shield.

16. (Currently amended) The memory card of claim 11, further comprising a smart card contact disposed on the housing, the smart card contact conforming to a the smart card standard and allowing access to the memory by a reader compatible with the smart card standard.

17. The memory card of claim 16, wherein the smart card standard comprises an ISO 7816 Smart Card standard.

18. The memory card of claim 16, wherein the thickness of the housing is approximately twice a thickness of a form factor of the smart card standard.

19. (Currently amended) A memory card comprising:
a flexible housing defining a first major edge between approximately 52 mm and 56 mm and a second major edge between approximately 83.6 mm and 87.6 mm, and a corner edge, wherein the corner edge reduces lengths of adjacent edges to define a third major edge of the housing less than 52 mm and a fourth major edge of the housing less than 83.6 mm;

a memory in the housing, wherein the memory card conforms to a smart card standard and the memory can be accessed by a reader that conforms to the smart card standard; and

a host connector protruding from the corner edge, the host connector conforming to a host connection standard and allowing access to the memory upon insertion of the host connector into a computer interface compatible with the host connection standard.

DRAFT - FOR DISCUSSION PURPOSES ONLY

20. The memory card of claim 16, wherein the host connector does not extend beyond the first or second major edges of the housing.

ATTACHMENT 2**Facsimile cover sheet and first proposed claim amendments**

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FACSIMILE TRANSMITTAL SHEET

TO: Daniel Hess

FROM: Kelly Patrick Fitzgerald
(651-735-1100 ext. 13)

COMPANY: U.S. Patent Office

DATE: JULY 9, 2004

FAX NUMBER: 571-273-2392

TOTAL NO. OF PAGES INCLUDING COVER: 5

PHONE NUMBER:

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RE: Proposed claims 10/788,600

YOUR REFERENCE NUMBER:

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY

NOTES/COMMENTS:

Pursuant to our discussions, attached for review are new proposed amendments to 10/788,600. Please do not enter these amendments at this time, but call me to discuss this proposal. If we reach an agreement, I may authorize an Examiner's amendment to enter this proposal.

DRAFT 2 - FOR DISCUSSION PURPOSES ONLY

1. A memory card comprising:
 - a flexible housing;
 - a memory in the housing;
 - a smart card contact disposed on the housing, the smart card contact conforming to a smart card standard and allowing access to the memory by a reader compatible with the smart card standard; and
 - a host connector protruding from the housing, the host connector conforming to a host connection standard and allowing access to the memory upon insertion of the host connector into a host computer interface compatible with the host connection standard.
2. The memory card of claim 1, wherein the memory is included within an integrated circuit (IC) module wherein the housing is formed at least partially around the IC module.
3. The memory card of claim 1, wherein the smart card standard comprises an ISO 7816 Smart Card standard.
4. The memory card of claim 1, wherein the housing defines a corner edge from which the host connector protrudes.
5. The memory card of claim 1, wherein the host connector is molded as a part of the housing such that the housing defines a shape that conforms to the host connection standard.
6. The memory card of claim 1, further comprising a cover over the host connector, wherein the housing and the cover collectively substantially conform the memory card to a form factor of the smart card standard.
7. The memory card of claim 1, further comprising a magnetic stripe disposed on the housing compatible with a magnetic stripe reader.

DRAFT 2 - FOR DISCUSSION PURPOSES ONLY

8. The memory card of claim 1, wherein the flexible housing comprises at least two layers of plastic and a cavity formed between the layers of plastic to hold the memory.

9. The memory card of claim 1, wherein the memory includes a first region for secured memory access and a second region for non-secured memory access.

10. The memory card of claim 1, wherein the host connector conforms to one of a Universal Serial Bus (USB) standard and a Universal Serial Bus 2 (USB2) standard and comprises a USB compatible tab without an electrical shield.

11. (Currently amended) A memory card comprising:

a flexible housing having dimensions which substantially conform to a form factor of a memory card standard including a height between approximately 52 mm and 56 mm, a width between approximately 83.6 mm and 87.6 mm, and a thickness between approximately 1.3 mm and 2.3 mm;

a memory in the housing, wherein the height and width dimensions of the memory card substantially conform to an ISO 7816 smart card standard and the memory can be accessed by a smart card reader; and

a host connector protruding from the housing, the host connector conforming to a host connection standard and allowing access to the memory upon insertion of the host connector into a computer interface compatible with the host connection standard, wherein the host connector defines part of the housing such that the housing defines a thickness dimension that substantially conforms to the host connection standard, and wherein the host connector portion of the housing is defined within the height and width dimensions of the ISO 7816 smart card standard.

12. (Currently amended) The memory card of claim 11, wherein the housing defines a corner edge from which the host connector protrudes, the corner edge defined within the dimensions of the ISO 7816 smart card standard ~~memory card standard form factor.~~

DRAFT 2 - FOR DISCUSSION PURPOSES ONLY

13. ~~(Canceled) The memory card of claim 11, wherein the host connector is molded as a part of the housing such that the housing defines a shape that conforms to the host connection standard, the host connector defined within the dimensions of the memory card standard form factor.~~

14. (Currently amended) The memory card of claim 11, wherein the housing includes a cover that fits over the host connector to ~~substantially~~ precisely conform the memory card to the form factor of the memory card standard.

15. The memory card of claim 11, wherein the host connector conforms to one of a Universal Serial Bus (USB) standard and a Universal Serial Bus 2 (USB2) standard and comprises a USB compatible tab without an electrical shield.

16. (Currently amended) The memory card of claim 11, further comprising a smart card contact disposed on the housing, the smart card contact conforming to ~~a~~ the ISO 7816 smart card standard and allowing access to the memory by a reader compatible with the smart card standard.

17. ~~(Canceled) The memory card of claim 16, wherein the smart card standard comprises an ISO 7816 Smart Card standard.~~

18. The memory card of claim 16, wherein the thickness of the housing is approximately twice a thickness of a form factor of the ISO 7816 smart card standard.

DRAFT 2 - FOR DISCUSSION PURPOSES ONLY

19. (Currently amended) A memory card comprising:

a flexible housing defining a first major edge between approximately 52 mm and 56 mm and a second major edge between approximately 83.6 mm and 87.6 mm, and a corner edge, wherein the corner edge reduces lengths of adjacent edges to define a third major edge of the housing less than 52 mm and a fourth major edge of the housing less than 83.6 mm;

a memory in the housing, wherein the memory card substantially conforms to an ISO 7816 smart card standard and the memory can be accessed by a smart card reader;
and

a host connector protruding from the corner edge, the host connector conforming to a host connection standard and allowing access to the memory upon insertion of the host connector into a computer interface compatible with the host connection standard, wherein the host connector does not extend beyond the first or second major edges of the housing such that the host connector protruding from the corner edge is defined within the height and width dimensions of the ISO 7816 smart card standard.

20. ~~(Canceled) The memory card of claim 16, wherein the host connector does not extend beyond the first or second major edges of the housing.~~